

U.S. Bureau of Reclamation
Emergency Condition Notification Form

Date July 11, 2011 Update **Time:** 3:00 PM (MDT)

Facility Affected: Clark Canyon Dam **River(s) Affected:** Beaverhead River

Organizations Receiving this Notification:

Beaverhead County Dispatch 24-hour Warning Point
Madison County Dispatch 24-hour Warning Point
Gallatin County Dispatch 24-hour Warning Point
Jefferson County Dispatch 24-hour Warning Point
Broadwater County Dispatch 24-hour Warning Point
Montana State Disaster & Emergency Services – Helena
National Weather Service Forecaster in Great Falls
U.S. Army Corps of Engineers, Omaha
Great Plains Regional Office
U.S. Bureau of Land Management
U.S. Forest Service

1. Condition Description

Inflows into Lima Dam (Owned and Operated by Beaverhead County Red Rock River Water and Sewer District) looked to have peaked and are trending downward. Lima Dam reservoir elevation continues to remain high due to intentional operations to conserve water for the irrigation season.

Inflows into Clark Canyon Dam are also trending downward and increased irrigation demand has slowed the rate of reservoir rise. The Corps of Engineers has requested that Reclamation utilize replacement storage at Clark Canyon Dam to assist with downstream flooding. It is anticipated that reservoir elevations at Clark Canyon Dam will peak in next few days and begin drafting. Reservoir elevations will likely remain in the flood pool for several weeks.

In accordance with the Clark Canyon Dam Emergency Action Plan (EAP), reservoir elevations at Lima Dam in excess of 6581.3 place Clark Canyon Dam at an elevated response level requiring notifications to downstream authorities and affected agencies. **This is only a result of Lima Dam reservoir elevations exceeding 6581.3. There are no dam safety related conditions or concerns with Clark Canyon Dam.**

Below are the current conditions at **Clark Canyon Dam** as of 12:00 p.m. July 11, 2011.

- Elevation = 5555.26 (9.16 feet into flood pool, 62.5% of flood control space utilized)
- Storage = 223,794 acre-feet
- Inflow (12-hr avg.) = 560 cfs
- Discharge = 560 cfs

Below are the current conditions at **Lima Dam** as of 12:00 p.m. July 11, 2011.

- Elevation = 6582.26 (0.96 feet above uncontrolled spillway)
- Storage = 81,194 acre-feet
- Inflow (12-hr avg.) = 350 cfs
- Discharge = 415 cfs

2. Potential River Levels and Times of Arrival

<u>Beaverhead River Location</u>	<u>Approximate Travel Time</u>
Barrets	4-5 hours
Dillon	10-12 hours
Twin Bridges	30-36 hours

3. Actions Taken by Reclamation

Current Clark Canyon Dam releases are 560 cubic feet per second (cfs). Future increases should be anticipated as warm weather drives irrigation demand. Reclamation continues to monitor river levels both upstream and downstream of Clark Canyon Dam, as well at conditions at Clark Canyon Dam and Lima Dam and will issue further notifications as conditions warrant.

4. Actions Expected of Downstream Agencies

Downstream agencies should take these reservoir levels and flows combined with existing downstream tributary flows entering the Beaverhead River when determining potential actions.

5. For Additional Information

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6. Media Inquiries:

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